

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER  
5489P074

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

10/530445

PRIORITY DATE CLAIMED  
7 October 2002

INTERNATIONAL APPLICATION NO.  
PCT/US03/012054

INTERNATIONAL FILING DATE  
18 April 2003

**TITLE OF INVENTION**

A WAVELENGTH-DIVISION-MULTIPLEXING PASSIVE OPTICAL NETWORK UTILIZING FIBER FAULT DETECTORS AND/OR WAVELENGTH TRACKING COMPONENTS

**APPLICANT(S) FOR DO/EO/US**

Chang-Hee Lee, et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 12.2 and 35 U.S.C. 1.821 - 1.825.
18. ☒ A second copy of the published international application under 35 U.S.C. 154(d)(4)).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)).
20. ☒ Other items or information.

Return receipt postcard; Request Under 37 C.F.R. § 1.32(c)(3) for Recognition of a Maximum of Ten Practitioners from those Names in Declaration and Power of Attorney.

JC06 Rec'd PCT/PTO 05 APR 2005

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; margin-top: 5px;">10/530445</div>		INTERNATIONAL APPLICATION NO. PCT/US03/012054		ATTORNEY'S DOCKET NUMBER 5489P074	
The following fees have been submitted				<b>CALCULATIONS PTO USE ONLY</b>	
21. <input checked="" type="checkbox"/> Basic national fee .....\$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33 (1)-(4) .....\$100 All other situations .....\$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....\$100 International Search Report prepared and provided to the Office.....\$400 All other situations .....\$500				400.00	
<b>TOTAL OF 21, 22 and 23 =</b>				\$ 900.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
30 - 100 =	-70 / 50 =		x	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	33- 20 =	13	x 50	\$ 650.00	
Independent claims	7 - 3 =	4	x 200	\$ 800.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ 360 \$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 2350.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees are reduced by 1/2.				\$ 2350.00	
<b>SUBTOTAL =</b>				\$ 2350.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$ 2350.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
Other fee (specify):					
<b>TOTAL FEES ENCLOSED =</b>				\$ 2390.00	
Amount to be refunded:				<div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); width: 100px; height: 20px; margin: 0 auto;"></div>	
charged:				<div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); width: 100px; height: 20px; margin: 0 auto;"></div>	
a. <input checked="" type="checkbox"/> A check(s) in the amount of \$ 2390.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 02-2666 in the amount of \$ 2390.00 to cover the above fees. c. <input type="checkbox"/> A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2666 A duplicate copy of this sheet is enclosed.					
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO Blakely, Sokoloff, Taylor & Zafman LLP 12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025 Telephone: (408) 720-8300			<div style="text-align: center;"> <div style="font-size: 1.5em; margin-bottom: 5px;">Apr 15, 2005</div> <div>DATE</div> </div> <div style="text-align: center;">   <div>Lester J. Vincent</div> <div>NAME</div> </div> <div style="text-align: center;"> <div>31,460</div> <div>REGISTRATION NUMBER</div> </div>		